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Patent

Case No.: 56202US050

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: HEPPNER, PHILIP D.

Application No.: 10/771639

Group Art Unit: Unknown

Filed: February 4, 2004

Examiner: Unknown

Title: UREA SUBSTITUTED IMIDAZOPYRIDINES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

May 19, 2004
Date

Amber M. Haubrick
Signed by: Amber M. Haubrick

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

It is believed that no fee is due; however, in the event a fee is required, please charge the fee to Deposit Account No. 13-3723.

Respectfully submitted,

19 MAY 2004
Date

By: Dean A. Ersfeld
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Page 1 of 4

Application Number**10/771639****Filing Date****February 4, 2004****First Named Inventor****Philip D. Heppner****Art Unit****Unknown****Examiner Name****Unknown****Attorney Case Number****56202US050****U.S. Patent Documents**

Exam. Init.*	Cite No.	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
	A1	US- 3,314,941	04-18-1967	Littell et al.	
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	A22	US- 6,039,969	03-21-2000	Tomai et al.	
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	A27	US- 6,245,776	06-12-2002	Skwierczynski et al.	
	A28	US- 6,331,539	12-18-2001	Crooks et al.	

Examiner:*Date Considered:**

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Substitute for form 1449/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 2 of 4	Application Number	10/771639
	Filing Date	February 4, 2004
	First Named Inventor	Philip D. Heppner
	Art Unit	Unknown
	Examiner Name	Unknown
	Attorney Case Number	56202US050

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	A29	US- 6,376,669	04-23-2002	Rice et al.	
	A30	US- 2002/0055517 A1	05-09-2002	Smith	
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	A56	US- 2003/0139364 A1	07-24-2003	Krieg et al.	

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Substitute for form 1449A/PTO (modified) <h2 style="text-align: center; margin: 10px 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 10px 0;">(Use as many sheets as necessary)</p> <p style="text-align: center; margin: 10px 0;">Page 3 of 4</p>	Application Number	10/771639
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	A57	US- 2003/0161797 A1	08-28-2003	Miller et al.	
	A58	US- 2003/0199538 A1	10-23-2003	Skwierczynski et al.	
	A59	US- 2003/0232852 A1	12-18-2003	Lindstrom et al.	
	A60	US- 2004/0010007	01-15-2004	Dellaria et al.	
	A61	US- 2004/0014779	01-22-2004	Gorden et al.	

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date <small>MM-DD-YYYY</small>	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation <small>(Check if yes)</small>
		Ctry. Code	Number-KindCode (If known)				
	B1	PCT	WO 00/47719	08/17/2000			
	B2	PCT	WO 02/36592	05-10-2002			X
	B3	PCT	WO 03/103584	12-18-2003			
	B4	JP	9-208584	08-12-1997			
	B5	JP	9-255926	03-26-1999			X
	B6	JP	11-222432	08-17-1999			X
	B7	JP	2000-247884 (abs)	09-12-2000			X
	B8	EP	0 394 026	10-24-1990			
	B9	EP	1 104 764	06-06-2001			

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C1	Wozniak, et al, "The Amination of 3-nitro-1, 5-naphthyridines by Liquid Ammonia/Potassium Permanganate ^{1,2} . A New and Convenient Amination Method.", <u>Journal of the Royal Netherlands Chemical Society</u> , 102, pp 511-513, December 12, 1983.
	C2	Brennan, et al, "Automated Bioassay of Interferons in Micro-test Plates", <u>Biotechniques</u> , June/July, 78, 1983.
	C3	Testerman, et al., "Cytokine Induction by the Immunomodulators Imiquimod and S-27609", <u>Journal of Leukocyte Biology</u> , Volume 58, pp. 365-372, September 1995.
	C4	Bachman, et al, "Synthesis of Substituted Quinolylamines. Derivatives of 4-Amino-7-Chloroquinoline", <u>J. Org. Chem</u> , 15, pp 1278-1284 (1950).
	C5	Jain, et al, "Chemical and Pharmacological Investigations of Some ω -Substituted Alkylamino-3-aminopyridines", <u>J. Med. Chem.</u> , 11, pp 87-92 (1968).

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Exam. Init.*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C6	Baranov, et al., <u>Chem. Abs.</u> 85, 94362, (1976).
	C7	Berényi, et al, "Ring Transformation of Condensed Dihydro-as-triazines", <u>J. Heterocyclic Chem.</u> , 18, pp 1537-1540 (1981).
	C8	Chollet, et al, "Development of a Topically Active Imiquimod Formulation", <u>Pharmaceutical Development and Technology</u> , 4(1), pp 35-43 (1999)
	C9	Izumi, et al., "1H-Imidazo[4,5-c]quinoline Derivatives as Novel Potent TNF- α Suppressors: Synthesis and Structure-Activity Relationship of 1-, 2- and 4-Substituted 1H-imidazo[4,5-c]pyridines", <u>Bioorganic & Medicinal Chemistry</u> , 11, pp 2541-2550 (2003)

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